

Anti-CD3 zeta antibody [BL-336-1B2] - BSA free ab272071

KO 評価済 リコンビナント

画像数 7

製品の概要

| | |
|--------------|---|
| 製品名 | Anti-CD3 zeta antibody [BL-336-1B2] - BSA free |
| 製品の詳細 | Rabbit monoclonal [BL-336-1B2] to CD3 zeta - BSA free |
| 由来種 | Rabbit |
| アプリケーション | 適用あり: WB, IHC-P, IP |
| 種交差性 | 交差種: Human |
| 免疫原 | Synthetic peptide within Human CD3 zeta aa 150-164 (C terminal). The exact sequence is proprietary. NP_932170.1 and Gene ID 919. Database link: P20963 |
| ポジティブ・コントロール | WB: K562, Jurkat, HeLa, SR, HEK293T, HepG2 and MOLT4 whole cell lysate. IHC-P: Human tonsil tissue, human lung cancer tissue. IP: Jurkat whole cell lysate. |
| 特記事項 | ab272071 is the BSA-free version of ab243874 . This product is sold under License from Bethyl Laboratories, Inc. |

製品の特性

| | |
|----------|---|
| 製品の状態 | Liquid |
| 保存方法 | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. |
| バッファー | pH: 8.20 Preservative: 0.09% Sodium azide Constituent: 98% Borate buffered saline |
| 特記事項(精製) | Recombinant antibody was purified from cell culture supernatant. |
| ポリ/モノ | モノクローナル |
| クローン名 | BL-336-1B2 |
| アイソタイプ | IgG |

アプリケーション

The Abpromise guarantee

Abpromise保証は、次のテスト済みアプリケーションにおけるab272071の使用に適用されます

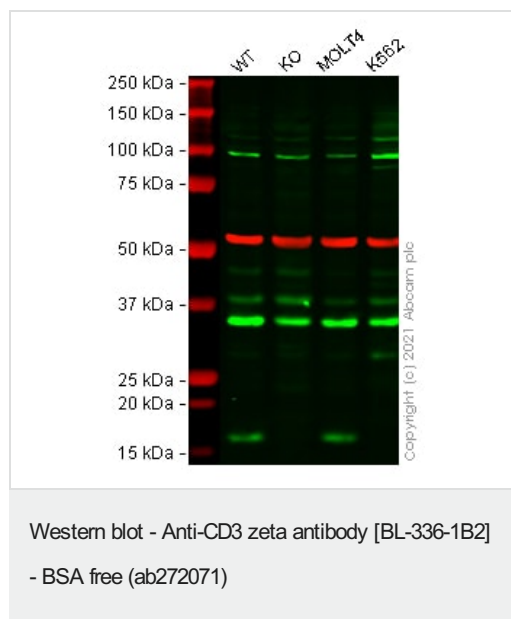
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

| アプリケーション | Abreviews | 特記事項 |
|----------|-----------|---|
| WB | | Use at an assay dependent concentration. |
| IHC-P | | Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. |
| IP | | Use at an assay dependent concentration. |

ターゲット情報

| | |
|-------|---|
| 機能 | Probable role in assembly and expression of the TCR complex as well as signal transduction upon antigen triggering. |
| 関連疾患 | Defects in CD247 are the cause of immunodeficiency due to defect in CD3-zeta (CD3ZID) [MIM:610163]. An immunological deficiency characterized by T-cells impaired immune response to alloantigens, tetanus toxoid and mitogens. |
| 配列類似性 | Belongs to the CD3Z/FCER1G family. Contains 3 ITAM domains. |
| ドメイン | The ITAM domains mediate interaction with SHB. |
| 翻訳後修飾 | Phosphorylated on Tyr residues after T-cell receptor triggering. |
| 細胞内局在 | Membrane. |

画像



All lanes : Anti-CD3 zeta antibody [BL-336-1B2] ([ab243874](#)) at 1/1000 dilution

Lane 1 : Wild-type Jurkat cell lysate

Lane 2 : CD247 knockout Jurkat cell lysate

Lane 3 : MOLT-4 cell lysate

Lane 4 : K562 cell lysate

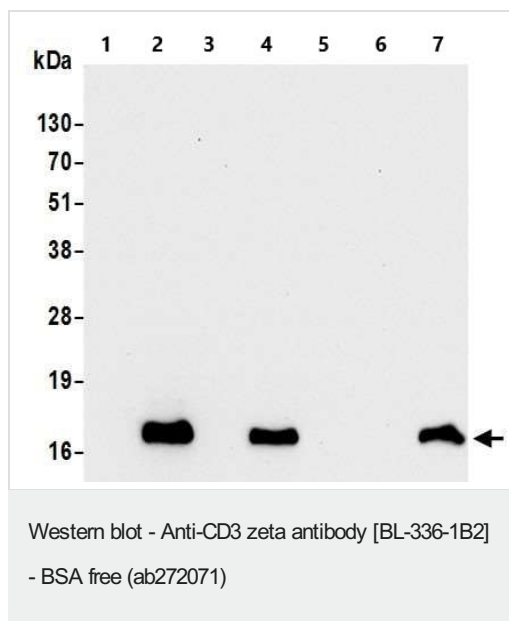
Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

Observed band size: 16 kDa

False colour image of Western blot: Anti-CD3 zeta antibody [BL-336-1B2] staining at 1/1000 dilution, shown in green; Mouse anti-Alpha Tubulin [DM1A] ([ab7291](#)) loading control staining at 1/20000 dilution, shown in red. In Western blot, [ab243874](#) was shown to bind specifically to CD3 zeta. A band was observed at 16 kDa in wild-type Jurkat cell lysates with no signal observed at this size in CD247 knockout cell line [ab273856](#) (knockout cell lysate [ab273810](#)). To generate this image, wild-type and CD247 knockout Jurkat cell lysates were analysed. First, samples were run on an SDS-PAGE gel then transferred onto a nitrocellulose membrane. Membranes were blocked in 3 % milk in TBS-0.1 % Tween[®] 20 (TBS-T) before incubation with primary antibodies overnight at 4 °C. Blots were washed four times in TBS-T, incubated with secondary antibodies for 1 h at room temperature, washed again four times then imaged. Secondary antibodies used were Goat anti-Rabbit IgG H&L (IRDye[®] 800CW) preabsorbed ([ab216773](#)) and Goat anti-Mouse IgG H&L (IRDye[®] 680RD) preabsorbed ([ab216776](#)) at 1/20000 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing Borate buffered saline, BSA, glycerol and sodium azide ([ab243874](#)).



All lanes : Anti-CD3 zeta antibody [BL-336-1B2] ([ab243874](#)) at 1/1000 dilution

- Lane 1** : K562 whole cell lysate
- Lane 2** : Jurkat whole cell lysate
- Lane 3** : HeLa whole cell lysate
- Lane 4** : SR whole cell lysate
- Lane 5** : HEK293T whole cell lysate
- Lane 6** : HepG2 whole cell lysate
- Lane 7** : MOLT4 whole cell lysate

Lysates/proteins at 50 µg per lane.

Secondary

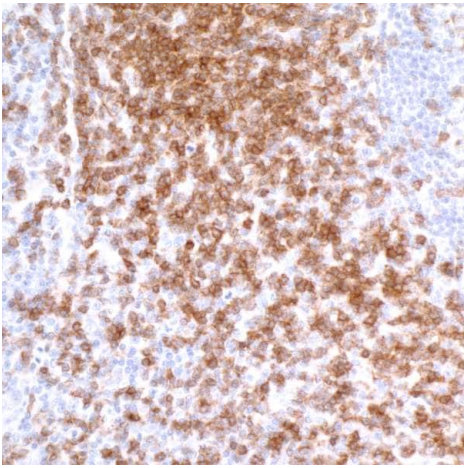
All lanes : HRP-conjugated goat anti-rabbit IgG

Exposure time: 10 seconds

Lysates prepared using NETN lysis buffer.

This data was developed using the same antibody clone in a different buffer formulation containing Borate buffered saline, BSA,

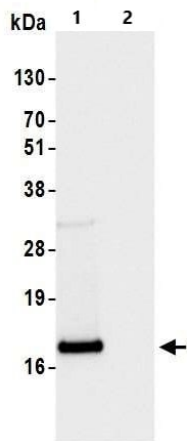
glycerol and sodium azide ([ab243874](#)).



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human tonsil tissue labeling CD247/CD3Z with [ab243874](#). HRP-conjugated goat anti-rabbit IgG was used as the secondary antibody, with DAB as substrate.

This data was developed using the same antibody clone in a different buffer formulation containing Borate buffered saline, BSA, glycerol and sodium azide ([ab243874](#)).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD3 zeta antibody [BL-336-1B2] - BSA free ([ab272071](#))



CD247/CD3Z was immunoprecipitated from 1mg of Jurkat whole cell lysate with [ab243874](#) at 20 μ l/mg lysate. Western blot was performed from the immunoprecipitate using [ab264158](#) at a 1/1000 dilution.

Lane 1: [ab243874](#) IP in Jurkat whole cell lysate.

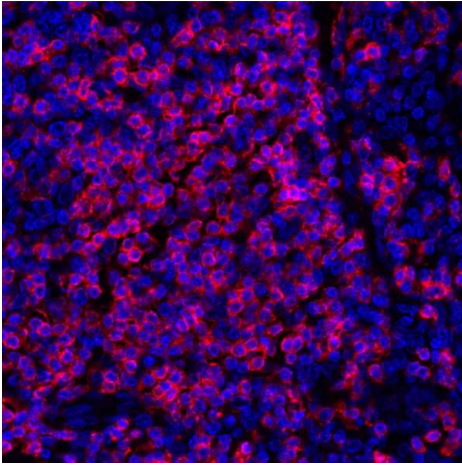
Lane 2: Control IgG.

Detection: Chemiluminescence.

Lysate prepared using NETN lysis buffer.

This data was developed using the same antibody clone in a different buffer formulation containing Borate buffered saline, BSA, glycerol and sodium azide ([ab243874](#)).

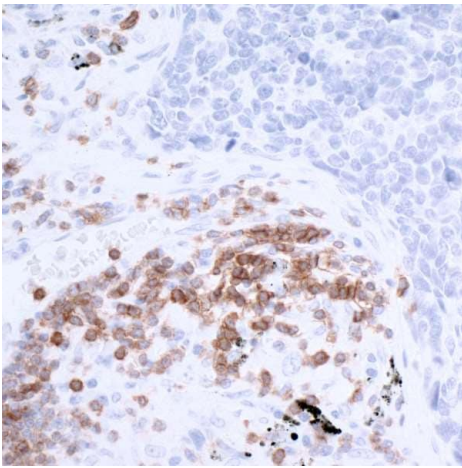
Immunoprecipitation - Anti-CD3 zeta antibody [BL-336-1B2] - BSA free ([ab272071](#))



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD3 zeta antibody [BL-336-1B2] - BSA free (ab272071)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded human tonsil tissue, labeling CD247/CD3Z with [ab243874](#). HRP-conjugated goat anti-rabbit IgG used as the secondary antibody. DAPI counterstain.

This data was developed using the same antibody clone in a different buffer formulation containing Borate buffered saline, BSA, glycerol and sodium azide ([ab243874](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD3 zeta antibody [BL-336-1B2] - BSA free (ab272071)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded human lung cancer tissue labeling CD247/CD3Z with [ab243874](#). HRP-conjugated goat anti-rabbit IgG was used as the secondary antibody, with DAB as the substrate.

This data was developed using the same antibody clone in a different buffer formulation containing Borate buffered saline, BSA, glycerol and sodium azide ([ab243874](#)).

Why choose a recombinant antibody?



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Anti-CD3 zeta antibody [BL-336-1B2] - BSA free
(ab272071)

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